

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| L1    | 1      | ("3624019").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/01/25 17:14 |
| L2    | 9      | ((("5178871") or ("4867911") or ("4614236") or ("3266923") or ("3445414") or ("1954585"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/01/25 17:15 |
| S1    | 4      | ((("3528914") or ("4085802") or ("4168257"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/01/25 15:43 |
| S2    | 1      | ("6176315").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/01/20 12:23 |
| S4    | 558147 | emulsifier or surfactant or detergent  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2006/01/20 12:24 |
| S5    | 34050  | (emulsifier or surfactant or detergent) same gel   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2006/01/20 12:25 |
| S6    | 8052   | (emulsifier or surfactant or detergent) same gel same mixture                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2006/01/20 12:35 |
| S8    | 9207   | "507".clas.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2006/01/20 12:26 |
| S9    | 194    | S6 S8  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2006/01/20 12:26 |
| S10   | 80586  | water with loss  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2006/01/20 12:26 |
| S11   | 57771  | fluid with loss  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2006/01/20 12:27 |

|     |        |                     |   |     |     |                  |
|-----|--------|---------------------|---|-----|-----|------------------|
| S12 | 131013 | S10 or S11          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2006/01/20 12:27 |
| S13 | 3048   | S12 and S8          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2006/01/20 12:27 |
| S14 | 121    | S6 S13              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2006/01/20 12:27 |
| S15 | 1      | ("20040129459").PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR  | OFF | 2006/01/20 12:34 |
| S16 | 658    | S6 S12              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2006/01/20 12:35 |
| S17 | 121    | S16 S8              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2006/01/20 12:36 |
| S18 | 51582  | ("166").CLAS.       | US-PGPUB;<br>USPAT;<br>USOCR                          | OR  | OFF | 2006/01/20 12:36 |
| S19 | 38667  | ("175").CLAS.       | US-PGPUB;<br>USPAT;<br>USOCR                          | OR  | OFF | 2006/01/20 12:37 |
| S20 | 2      | ("0081516").PN.     | US-PGPUB;<br>USPAT;<br>USOCR                          | OR  | OFF | 2006/01/20 12:37 |
| S21 | 0      | S8 S15 S16          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2006/01/20 12:37 |
| S22 | 89045  | S8 S18 S19          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR  | ON  | 2006/01/20 12:37 |

|     |      |                        |   |     |    |                  |
|-----|------|------------------------|---|-----|----|------------------|
| S23 | 1    | S15 S22                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON | 2006/01/20 12:38 |
| S24 | 168  | S22 S16                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON | 2006/01/20 12:39 |
| S25 | 1550 | \$5glycolether         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON | 2006/01/20 12:42 |
| S26 | 0    | S24 S25                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON | 2006/01/20 12:41 |
| S27 | 849  | polyglycolether        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON | 2006/01/20 12:42 |
| S28 | 1    | polyglycolether S24    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON | 2006/01/20 12:43 |
| S29 | 20   | S24 (acrylic adj acid) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON | 2006/01/20 13:30 |

## WEST Search History

DATE: Wednesday, January 25, 2006

| Hide?                    | <u>Set<br/>Name</u> | <u>Query</u>   | <u>Hit<br/>Count</u> |
|--------------------------|---------------------|--|----------------------|
|                          |                     | <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>                           |                      |
| <input type="checkbox"/> | L9                  | L5 and (water with (loss or prevent or reduce))                                    | 34                   |
| <input type="checkbox"/> | L8                  | L5 and (water with (loss or prevent))  | 22                   |
| <input type="checkbox"/> | L7                  | L5 and ((fluid or mud) same (water with (loss or prevent)))                        | 4                    |
| <input type="checkbox"/> | L6                  | L5 and ((drilling or oil) same (fluid or mud) same (water with (loss or prevent))) | 2                    |
| <input type="checkbox"/> | L5                  | L4 with (hydrocarbon adj3 solvent) with (oil adj3 water)                           | 137                  |
| <input type="checkbox"/> | L4                  | L3 with solvent with hydrocarbon   | 322                  |
| <input type="checkbox"/> | L3                  | L2 with (oil adj4 water)   | 60662                |
| <input type="checkbox"/> | L2                  | water with oil with emulsi\$4  | 89203                |

END OF SEARCH HISTORY